

INTERNATIONAL SEARCH REPORT

Inte... al Application No
PCT/GB 03/04487

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 207 579 A (BACH TOM;COLEMAN PAUL) 1 February 1989 (1989-02-01) page 3, line 1 -page 3, line 12; figures 1-3 ---	1-8,16
X	EP 0 925 756 A (NIHON KOHDEN CORP) 30 June 1999 (1999-06-30) paragraph '0025! - paragraph '0034! figure 4 ---	1,2,16
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24, 11 May 2001 (2001-05-11) & JP 2001 198096 A (TERUMO CORP), 24 July 2001 (2001-07-24) abstract ---	1-7,9, 16,17
Y	---	10-15,18
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

16 February 2004

Date of mailing of the International search report

26/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 117 077 A (BACHMAN JOHN A ET AL) 12 September 2000 (2000-09-12) column 6, line 10 -column 9, line 7; figures 5-8 ---	1-4,9-16
X	US 6 441 747 B1 (GHAEM SANJAR ET AL) 27 August 2002 (2002-08-27) column 6, line 6 -column 6, line 12 column 6, line 63 -column 7, line 67 figures 1-3,10 ---	17
Y	EP 0 513 548 A (MATSUSHITA ELECTRIC IND CO LTD) 19 November 1992 (1992-11-19) figure 1 ---	1-3,9-16
A	MAKIKAWA M; IMAI K; SHINDOI T; TANOOKA K; IIZUMI H; MITANI H: "Microprocessor-based memory device for ambulatory heart rate and physical activity recording" METHODS OF INFORMATION IN MEDICINE, ISSN 0026-1270, vol. 33, no. 1, March 1994 (1994-03), pages 94-96, XP008027621 German * whole article * ---	1-18
Y	TONG, DAVID A: "Investigation into Electrocardiogram Motion Artifact Reduction, 10-9191" . 'Online! 1 April 2000 (2000-04-01), XP002270312 IR&D Southwest Research Institute, San Antonio, TX, USA Retrieved from the Internet: <URL: http://www.swri.edu/3pubs/IRD2001/10-9191.htm > 'retrieved on 2004-02-12! * whole article * ---	1,11-13, 17,18
L	RAYA M A D ; SISON L G : "Adaptive noise cancelling of motion artifact in stress ECG signals using accelerometer " CONFERENCE PROCEEDINGS. 24TH ANNUAL INTERNATIONAL CONFERENCE OF THE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY. ANNUAL FALL MEETING OF THE BIOMEDICAL ENGINEERING SOCIETY, HOUSTON, TX, USA, 23-26 OCT. 2002, ISBN 0-7803-7612-9, vol. 2, 2002, pages 1756-1757, XP002270313 Piscataway, NJ, USA, IEEE, USA ---	
X	JP 62 202804 U (MATSUSHITA ELECTRIC WORKS LTD) 1987 * whole document * -----	1,2,7,16

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ational application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 19-22 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 19-22

The subject-matter of claims 19-22 is defined by reference to the description and drawings which is not allowed by the PCT (Rule 6.2 PCT). The claims do not define any clear structural features or limitations. Consequently, the scope of the claim is not clear (see Article 6 PCT) and a meaningful search is not possible (Article 17 PCT).

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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